Author Index of Volume 204

Addison, A. W., 141
Alexander, V., 109
Ali, M. E. S., 27
Andres, A., 221
Aragó, J., 221

Baker, P. K., 247
Bakshi, P. K., 27
Baldas, J., 199
Bandoli, G., 153
Barnhardt, D., 251
Bassi, M., 171
Beauchamp, A. L., 213
Bencini, A., 221, 227
Benedetti, E., 87
Benedix, R., 189
Ben Hadda, T., 103
Bereman, R. D., 53
Berg, J. M., 251
Berthon, R. A., 3
Bianchi, A., 221, 227
Bigoli, F., 9
Boas, J. F., 199
Borromei, R., 159
Burrell, A. K., 93

Cabani, S., 227
Cameron, T. S., 27
Capuano, V. L., 93
Carlucci, L., 171
Casellato, U., 63
Cauzzi, D. A., 181
Cavalli, E., 159
Cavatorta, F., 181
Ceccanti, N., 227
Ceccon, A., 15
Cervilla, A., 73
Che, C.-M., 133
Chin, K.-F., 133
Colbran, S. B., 3
Cordes, A. W., 195
Cotton, F. A., 175

Deng, Y., 35
Deplano, P., 9
Di Blasio, B., 87
Dolmella, A., 153
Doménech, A., 73
Draganjac, M., 195

Edwards, R., 125
Eggleton, G., 195
Eglin, J. L., 175
Elsevier, C. J., 15
Ernsting, J. M., 15

Fusi, V., 221

Gambaro, A., 15
Garcia-España, E., 221, 227
Graf, M., 239
Graziani, R., 63
Greaves, B., 239
Green, M., 265
Gretton, V. A., 265

Hallford, R. L., 195
Hatfield, W. E., 261
Hossain, M. M., 139

Iranpoor, N., 39
Ivanov, Z., 199

James, B. D., 199
James, C. A., 175

Khokhar, A. R., 35
Kim, Y. I., 261
Kimura, T., 79
Kodaka, M., 1

Lam, H.-W., 133
Le Bozec, H., 103
Lehmpuhl, D., 45
Llopis, E., 73
Lombardi, A., 87
Lu, H., 53
Lu, H. Y., 267

Maeda, Y., 231
Maglio, O., 87
Magon, L., 63
Mak, T. C. W., 133
Malik, M. A., 27
Marchi, A., 63
Marvelli, L., 63
McDevitt, M. R., 141
Meinrath, G., 79
Mercuri, M. L., 9
Minick, D., 195
Miyamoto, M., 231
Mochizuki, K., 267
Moran, G. M., 3
Mori, G., 181

Nastri, F., 87
Newman, P. D., 125, 257

Okuno, H. (Y.), 1, 147
Oleari, L., 159
Orton, D. M., 265
Oshio, H., 231

Paoletti, P., 221, 227
Park, H., 195
Pavone, V., 87
Pedone, C., 87
Pellinghelli, M. A., 9
Peruzzini, M., 63
Peruzzo, V., 153
Plazzogna, G., 153
Predieri, G., 181

Quirós, M., 213

Ramírez, J. A., 73
Rossi, R., 63
Ruminski, R. R., 45

Salas, J. M., 213
Sánchez, M. P., 213
Santi, S., 15
Sauer, N. N., 251
Saviano, M., 87
Sessler, J. L., 93
Shaw, B. L., 39
Smith, B. C., 27
Solans, X., 213
Stephens, F. S., 125, 257
Stoeckli-Evans, H., 239
Suzuki, Y., 267

Takashima, Y., 231
Tinè, M. R., 227
Tiripicchio, A., 181
Tomohiro, T., 1, 147
Trogu, E. F., 9

Vagg, R. S., 125, 257
Valtancoli, B., 221
Van Der Sluys, W. G., 251
van Kampen, M., 247
Vargas, R. M., 139
Venzo, A., 15
Vogler, A., 189

Wang, R.-J., 133
Williams, P. A., 125, 257

Zanotti, V., 171

Subject Index of Volume 204

Acidity constants
  acidity constants for *cis*-diaquadiammineplatinum(II), the aquated form of cisplatin, 265
Alkylamino acid complexes
  chiral metal complexes
    Part 39. Resolution of α-methyltryptophane via coordination to an optically active metal complex, 257
Alkyl complexes
  reactions of *trans*-2-alkoxy-1-cycloalkyltellurium(IV) trihalides with N-substituted anilines: the X-ray crystal structure of *p-N*-ethylanilino(*trans*-2-ethoxy-1-cyclohexyl)-tellurium(IV) dibromide, 27
Alkylidene complexes
  dinuclear complexes with bridging functionalized alkylidene ligands: synthesis of the phosphonium $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PR_3\}]SO_3CF_3$ and of the phosphinoalkylidene $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PH_2\}]$, 171
Amine complexes
  thermodynamic study of the interaction of long open-chain polyazaalkanes with cobalt(II) and nickel(II) ions, 221
Amino acid complexes
  Pt(II) complexes of amino acids and peptides
    III. X-ray diffraction study of $[Cl(Ph_3P)Pt(H\text{-}Aib\text{-}O)]$, 87
Amino complexes
  reactions of *trans*-2-alkoxy-1-cycloalkyltellurium(IV) trihalides with N-substituted anilines: the X-ray crystal structure of *p-N*-ethylanilino(*trans*-2-ethoxy-1-cyclohexyl)-tellurium(IV) dibromide, 27
Ammine complexes
  acidity constants for *cis*-diaquadiammineplatinum(II), the aquated form of cisplatin, 265
Antimony complexes
  synthesis and characterization of adducts of ethane-1,2-dithiolato-antimony(III) chloride. X-ray structure of the 1,10-phenanthroline derivative, 153
Aqua complexes
  acidity constants for *cis*-diaquadiammineplatinum(II), the aquated form of cisplatin, 265
Arene complexes
  indenyl hapticity in (η-indenyl–RhL_2) and $Cr(CO)_3(\mu\text{-}\eta\text{:}\eta$-indenyl–$RhL_2$) complexes. A ^1H, ^{13}C and ^{103}Rh NMR spectroscopic study, 15

Bidentate amino ligand complexes
  crystallographic characterization of *trans*-bis(acetato)(1,1-cyclobutanedicarboxylato)ethylenediamineplatinum(IV) trihydrate, 35
Bidentate ligand complexes
  synthetic, structural and spectroscopic studies of the donating properties of sulfur-rich molecules: X-ray structure of [copper(I)chloride-(1,3-dithiolane-2-thione)(2/1)]$_n$, 9
  diphenylphosphinomethyl t-butyl ketone *N*-diphenylphosphino-*N*-phenylhydrazone $PPh_2CH_2C(Bu^t)$=N–N(Ph)PPh_2 and its complexes with chromium(0), molybdenum(0), tungsten(0), palladium(II) and platinum(II), 39
  synthesis and characterization of the nickel and copper complexes of the new dithiolene, 1,3-propanediyldithioethylene-1,2-dithiolate (PDDT), 53
  synthesis and characterization of adducts of ethane-1,2-dithiolato-antimony(III) chloride. X-ray structure of the 1,10-phenanthroline derivative, 153
  electronic structure and spectroscopic properties of copper catecholate complexes with interligand charge-transfer behavior, 189

Carbonyl complexes
  indenyl hapticity in (η-indenyl–RhL_2) and $Cr(CO)_3(\mu\text{-}\eta\text{:}\eta$-indenyl–$RhL_2$) complexes. A ^1H, ^{13}C and ^{103}Rh NMR spectroscopic study, 15
  synthesis and characterization of tricarbonylchlororhenium(I) complexes bound to the novel bridging ligand dipyrido(2,3-*a*;2′,3′-*h*)phenazine (dpop), 45
  photochemical reactions of $(\eta^5\text{-}C_5H_5)Fe(CO)_2SiMe_2R$ (R = Me, Ph) with ArCHO (Ar = C_6H_5, *p*-$OCH_3C_6H_4$), 139
  dinuclear complexes with bridging functionalized alkylidene ligands: synthesis of the phosphonium $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PR_3\}]SO_3CF_3$ and of the phosphinoalkylidene $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PH_2\}]$, 171
Cascade complexes
  cascade complex formation by phosphate in the cobalt(II)/[30]aneN_{10} anaerobic system, 227
Chelate complexes
  crystallographic characterization of *trans*-bis(acetato)(1,1-cyclobutanedicarboxylato)ethylenediamineplatinum(IV) trihydrate, 35
  diphenylphosphinomethyl t-butyl ketone *N*-diphenylphosphino-*N*-phenylhydrazone $PPh_2CH_2C(Bu^t)$=N–N(Ph)PPh_2 and its complexes with chromium(0), molybdenum(0), tungsten(0), palladium(II) and platinum(II), 39
  synthesis and characterization of the nickel and copper complexes of the new dithiolene, 1,3-propanediyldithioethylene-1,2-dithiolate (PDDT), 53
  synthesis and characterization of ruthenium(II) complexes containing the new tridentate ligand 4,4′,4″-tri-tert-butyl-terpyridine, 103
  a detailed infrared and far-infrared spectral investigation of the alkyl- and (non-alkyl)cobalt(III) complexes of 3,8-dimethyl-5,6-benzo-4,7-diazadeca-3,7-diene-2,9-dione dioxime and a study of ground state *trans*-effect in tetragonally distorted octahedral cobalt(III) complexes by far-infrared and electronic absorption spectroscopy, 109
  synthesis and characterization of adducts of ethane-1,2-dithiolato-antimony(III) chloride. X-ray structure of the 1,10-phenanthroline derivative, 153
  electronic structure and spectroscopic properties of copper catecholate complexes with interligand charge-transfer behavior, 189
Chiral complexes
  chiral metal complexes
    38. Coordination control in complexes of an optically active macrocyclic ligand, 125
Chiral metal complexes
  chiral metal complexes

Part 39. Resolution of α-methyltryptophane via coordination to an optically active metal complex, 257
Chromium complexes
indenyl hapticity in (η-indenyl–RhL_2) and $Cr(CO)_3$(μ-η:η-indenyl–RhL_2) complexes. A ^1H, ^{13}C and ^{103}Rh NMR spectroscopic study, 15
Cluster complexes
spectral evidence for stepwise ligand substitution on 4Fe4S clusters, 1
synthesis and characterization of Fe_4S_4 clusters with a crown ether skeleton, 147
Cobalt complexes
a detailed infrared and far-infrared spectral investigation of the alkyl- and (non-alkyl)cobalt(III) complexes of 3,8-dimethyl-5,6-benzo-4,7-diazadeca-3,7-diene-2,9-dione dioxime and a study of ground state *trans*-effect in tetragonally distorted octahedral cobalt(III) complexes by far-infrared and electronic absorption spectroscopy, 109
thermodynamic study of the interaction of long open-chain polyazaalkanes with cobalt(II) and nickel(II) ions, 221
cascade complex formation by phosphate in the cobalt(II)/[30]aneN_{10} anaerobic system, 227
chiral metal complexes
Part 39. Resolution of α-methyltryptophane via coordination to an optically active metal complex, 257
Copper complexes
synthetic, structural and spectroscopic studies of the donating properties of sulfur-rich molecules: X-ray structure of [copper(I)chloride-(1,3-dithiolane-2-thione)(2/1)]$_n$, 9
synthesis and characterization of the nickel and copper complexes of the new dithiolene, 1,3-propanediyldithioethylene-1,2-dithiolate (PDDT), 53
electronic structure and spectroscopic properties of copper catecholate complexes with interligand charge-transfer behavior, 189
crystal and molecular structures of Cu(II) and Zn(II) complexes of 2,3,5,6-tetra(2-pyridyl)pyrazine (TPPZ): an old ligand revisited, 239
Crystal structures
synthetic, structural and spectroscopic studies of the donating properties of sulfur-rich molecules: X-ray structure of [copper(I)chloride-(1,3-dithiolane-2-thione)(2/1)]$_n$, 9
reactions of *trans*-2-alkoxy-1-cycloalkyltellurium(IV) trihalides with N-substituted anilines: the X-ray crystal structure of *p-N*-ethylanilino(*trans*-2-ethoxy-1-cyclohexyl)-tellurium(IV) dibromide, 27
crystallographic characterization of *trans*-bis(acetato)(1,1-cyclobutanedicarboxylato)ethylenediamineplatinum(IV) trihydrate, 35
synthesis and characterization of the nickel and copper complexes of the new dithiolene, 1,3-propanediyldithioethylene-1,2-dithiolate (PDDT), 53
reactivity of rhenium(V) complexes containing different cores such as $[Re{\equiv}O]^{3+}$, $[Re{\equiv}NR]^{3+}$ and $[Re{\equiv}N]^{2+}$ toward bis(diphenylphosphino)methane: synthesis and crystal structures, 63
Pt(II) complexes of amino acids and peptides
III. X-ray diffraction study of [$Cl(Ph_3P)Pt$(H-Aib-O)], 87
chiral metal complexes
38. Coordination control in complexes of an optically active macrocyclic ligand, 125
synthesis, photophysical properties and X-ray crystal structure of a luminescent osmium(VI)–nitrido complex of bis(diphenylarsino)ethane, 133
synthesis and characterization of adducts of ethane-1,2-dithiolato-antimony(III) chloride. X-ray structure of the 1,10-phenanthroline derivative, 153
the synthesis and characterization of an Mo^4–$MoCl_4$(L-L)$_2$ compound with L-L = $Ph_2PCH_2PMe_2$, 175
synthesis and characterization of $[N(PPh_3)_2]^+$ cyanometallates. Crystal structure of $[N(PPh_3)_2]_3[Fe(CN)_6]\cdot 2H_2O$, 181
the reaction of $CpRu(PPh_3)_2{}^+$ with organic thiols. Synthesis and characterization of $[CpRu(PPh_3)_2(RSH)]BF_4$ (R = benzyl, phenethyl) and the molecular and crystal structure of $[CpRu(PPh_3)_2(C_6H_5CH_2CH_2SH)]BF_4\cdot CH_2Cl_2$, 195
palladium(II)–purine nucleoside complexes: synthesis, characterization and X-ray determination, 213
crystal and molecular structures of Cu(II) and Zn(II) complexes of 2,3,5,6-tetra(2-pyridyl)pyrazine (TPPZ): an old ligand revisited, 239
tetrahydrofuran adducts of uranium tetrachloride, 251
chiral metal complexes
Part 39. Resolution of α-methyltryptophane via coordination to an optically active metal complex, 257
Cyanide complexes
synthesis and characterization of $[N(PPh_3)_2]^+$ cyanometallates. Crystal structure of $[N(PPh_3)_2]_3[Fe(CN)_6]\cdot 2H_2O$, 181
Cyanometallate complexes
synthesis and characterization of $[N(PPh_3)_2]^+$ cyanometallates. Crystal structure of $[N(PPh_3)_2]_3[Fe(CN)_6]\cdot 2H_2O$, 181
Cyclopentadienyl complexes
photochemical reactions of $(\eta^5\text{-}C_5H_5)Fe(CO)_2SiMe_2R$ (R = Me, Ph) with ArCHO (Ar = C_6H_5, p-$OCH_3C_6H_4$), 139
the reaction of $CpRu(PPh_3)_2{}^+$ with organic thiols. Synthesis and characterization of $[CpRu(PPh_3)_2(RSH)]BF_4$ (R = benzyl, phenethyl) and the molecular and crystal structure of $[CpRu(PPh_3)_2(C_6H_5CH_2CH_2SH)]BF_4\cdot CH_2Cl_2$, 195
Dinuclear complexes
synthetic, structural and spectroscopic studies of the donating properties of sulfur-rich molecules: X-ray structure of [copper(I)chloride-(1,3-dithiolane-2-thione)(2/1)]$_n$, 9
dinuclear complexes with bridging functionalized alkylidene ligands: synthesis of the phosphonium $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PR_3\}]SO_3CF_3$ and of the phosphinoalkylidene $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PH_2\}]$, 171
the synthesis and characterization of an Mo^4–$MoCl_4$(L-L)$_2$ compound with L-L = $Ph_2PCH_2PMe_2$, 175
a spectrophotometric and ESR study of monomer, μ-oxo dimer, di(μ-oxo) dimer interconversion of nitridotechnetium(VI) complexes in solutions of sulfur and phosphorus oxo acids, 199
Electrical properties
electrical, magnetic and spectroscopic properties of $(TTF)_5Fe(NO_3)_3$, 261
Electrochemistry
synthesis, electrochemical and spectroscopic properties of pendant hydroquinone- and quinone-substituted polypyridyl ruthenium(II) complexes, 3
synthesis and characterization of tricarbonylchlororhenium(I) complexes bound to the novel bridging ligand dipyrido(2,3-*a*;2′,3′-*h*)phenazine (dpop), 45

orthogonal $Ru^{II}(bpy)_3$ complexes in *meso*-substituted porphyrins, 93
synthesis and characterization of ruthenium(II) complexes containing the new tridentate ligand 4,4′,4″-tri-tert-butyl-terpyridine, 103
medium effects on the redox properties of tris(2,2′-bipyridyl)ruthenium complexes, 141
Electronic structures
the electronic spectrum of $NiTa_2O_6$, 159
electronic structure and spectroscopic properties of copper catecholate complexes with interligand charge-transfer behavior, 189

Halide complexes
tetrahydrofuran adducts of uranium tetrachloride, 251
Heterocyclic ligand complexes
synthesis and characterization of tricarbonylchlororhenium(I) complexes bound to the novel bridging ligand dipyrido(2,3-*a*;2′,3′-*h*)phenazine (dpop), 45

Iron complexes
spectral evidence for stepwise ligand substitution on 4Fe4S clusters, 1
photochemical reactions of $(\eta^5\text{-}C_5H_5)Fe(CO)_2SiMe_2R$ (R = Me, Ph) with ArCHO (Ar = C_6H_5, *p*-$OCH_3C_6H_4$), 139
synthesis and characterization of Fe_4S_4 clusters with a crown ether skeleton, 147
dinuclear complexes with bridging functionalized alkylidene ligands: synthesis of the phosphonium $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PR_3\}]SO_3CF_3$ and of the phosphinoalkylidene $[Fe_2Cp_2(CO)_2(\mu\text{-}CO)\{\mu\text{-}C(CN)PH_2\}]$, 171
synthesis and characterization of $[N(PPh_3)_2]^+$ cyanometallates. Crystal structure of $[N(PPh_3)_2]_3[Fe(CN)_6]\cdot 2H_2O$, 181
spin-crossover behaviour of iron(III) complexes with pendant type polymeric ligands, 231
electrical, magnetic and spectroscopic properties of $(TTF)_5Fe(NO_3)_3$, 261

Macrocyclic ligand complexes
a detailed infrared and far-infrared spectral investigation of the alkyl- and (non-alkyl)cobalt(III) complexes of 3,8-dimethyl-5,6-benzo-4,7-diazadeca-3,7-diene-2,9-dione dioxime and a study of ground state *trans*-effect in tetragonally distorted octahedral cobalt(III) complexes by far-infrared and electronic absorption spectroscopy, 109
chiral metal complexes
38. Coordination control in complexes of an optically active macrocyclic ligand, 125
cascade complex formation by phosphate in the cobalt(II)/[30]aneN_{10} anaerobic system, 227
selective synthesis of a novel non-symmetrical bimacrocyclic ligand and its dinickel(II) complex, 267
Magnetism
electrical, magnetic and spectroscopic properties of $(TTF)_5Fe(NO_3)_3$, 261
Metal complexes
diphenylphosphinomethyl t-butyl ketone *N*-diphenylphosphino-*N*-phenylhydrazone $PPh_2CH_2C(Bu^t)$=N–N(Ph)PPh_2 and its complexes with chromium(0), molybdenum(0), tungsten(0), palladium(II) and platinum(II), 39
chiral metal complexes
38. Coordination control in complexes of an optically active macrocyclic ligand , 125
Molybdenum complexes
mononuclear mixed oxosulfidomolybdate(VI) complexes with aminodicarboxylic ligands. Synthesis and spectroscopic characterization by multinulcear magnetic resonance spectroscopy, 73
the synthesis and characterization of an $Mo^4MoCl_4(L\text{-}L)_2$ compound with L-L = $Ph_2PCH_2PMe_2$, 175
seven-coordinate complexes of molybdenum(II) and tungsten(II) containing imidazole and methyl-substituted imidazoles as attached ligands, 247

Nickel complexes
synthesis and characterization of the nickel and copper complexes of the new dithiolene, 1,3-propanediyldithioethylene-1,2-dithiolate (PDDT), 53
selective synthesis of a novel non-symmetrical bimacrocyclic ligand and its dinickel(II) complex, 267
Nitrido complexes
reactivity of rhenium(V) complexes containing different cores such as $[Re{\equiv}O]^{3+}$, $[Re{\equiv}NR]^{3+}$ and $[Re{\equiv}N]^{2+}$ toward bis(diphenylphosphino)methane: synthesis and crystal structures, 63
synthesis, photophysical properties and X-ray crystal structure of a luminescent osmium(VI)–nitrido complex of bis(diphenylarsino)ethane, 133
a spectrophotometric and ESR study of monomer, μ-oxo dimer, di(μ-oxo) dimer interconversion of nitridotechnetium(VI) complexes in solutions of sulfur and phosphorus oxo acids, 199
Nitrogen organic ligand complexes
seven-coordinate complexes of molybdenum(II) and tungsten(II) containing imidazole and methyl-substituted imidazoles as attached ligands, 247
Nucleoside complexes
palladium(II)–purine nucleoside complexes: synthesis, characterization and X-ray determination, 213

Osmium complexes
synthesis, photophysical properties and X-ray crystal structure of a luminescent osmium(VI)–nitrido complex of bis(diphenylarsino)ethane, 133
Oxide complexes
the electronic spectrum of $NiTa_2O_6$, 159
Oxo complexes
reactivity of rhenium(V) complexes containing different cores such as $[Re{\equiv}O]^{3+}$, $[Re{\equiv}NR]^{3+}$ and $[Re{\equiv}N]^{2+}$ toward bis(diphenylphosphino)methane: synthesis and crystal structures, 63
mononuclear mixed oxosulfidomolybdate(VI) complexes with aminodicarboxylic ligands. Synthesis and spectroscopic characterization by multinulcear magnetic resonance spectroscopy, 73
a spectrophotometric and ESR study of monomer, μ-oxo dimer, di(μ-oxo) dimer interconversion of nitridotechnetium(VI) complexes in solutions of sulfur and phosphorus oxo acids, 199

Palladium complexes
palladium(II)–purine nucleoside complexes: synthesis, characterization and X-ray determination, 213
Peptide complexes
Pt(II) complexes of amino acids and peptides
III. X-ray diffraction study of $[Cl(Ph_3P)Pt(H\text{-}Aib\text{-}O)]$, 87

Photochemistry
photochemical reactions of $(\eta^5\text{-}C_5H_5)Fe(CO)_2SiMe_2R$ (R = Me, Ph) with ArCHO (Ar = C_6H_5, $p\text{-}OCH_3C_6H_4$), 139
Platinum complexes
crystallographic characterization of *trans*-bis(acetato)(1,1-cyclobutanedicarboxylato)ethylenediamineplatinum(IV) trihydrate, 35
Pt(II) complexes of amino acids and peptides
III. X-ray diffraction study of $[Cl(Ph_3P)Pt(H\text{-}Aib\text{-}O)]$, 87
acidity constants for *cis*-diaquadiammineplatinum(II), the aquated form of cisplatin, 265
Polydentate ligand complexes
synthesis, electrochemical and spectroscopic properties of pendant hydroquinone- and quinone-substituted polypyridyl ruthenium(II) complexes, 3
synthesis and characterization of ruthenium(II) complexes containing the new tridentate ligand 4,4′,4″-tri-tert-butyl-terpyridine, 103
medium effects on the redox properties of tris(2,2′-bipyridyl)ruthenium complexes, 141
thermodynamic study of the interaction of long open-chain polyazaalkanes with cobalt(II) and nickel(II) ions, 221
crystal and molecular structures of Cu(II) and Zn(II) complexes of 2,3,5,6-tetra(2-pyridyl)pyrazine (TPPZ): an old ligand revisited, 239
Polymeric ligand complexes
spin-crossover behaviour of iron(III) complexes with pendant type polymeric ligands, 231
Porphyrin complexes
orthogonal $Ru^{II}(bpy)_3$ complexes in *meso*-substituted porphyrins, 93

Quadruple bond complexes
the synthesis and characterization of an $Mo^4MoCl_4(L\text{-}L)_2$ compound with L-L = $Ph_2PCH_2PMe_2$, 175
Quinone complexes
synthesis, electrochemical and spectroscopic properties of pendant hydroquinone- and quinone-substituted polypyridyl ruthenium(II) complexes, 3

Rhenium complexes
synthesis and characterization of tricarbonylchlororhenium(I) complexes bound to the novel bridging ligand dipyrido(2,3-*a*;2′,3′-*h*)phenazine (dpop), 45
reactivity of rhenium(V) complexes containing different cores such as $[Re{\equiv}O]^{3+}$, $[Re{\equiv}NR]^{3+}$ and $[Re{\equiv}N]^{2+}$ toward bis(diphenylphosphino)methane: synthesis and crystal structures, 63
Rhodium complexes
indenyl hapticity in (η-indenyl–RhL_2) and $Cr(CO)_3(\mu\text{-}\eta{:}\eta\text{-indenyl–}RhL_2)$ complexes. A ^1H, ^{13}C and ^{103}Rh NMR spectroscopic study, 15
Ruthenium complexes
synthesis, electrochemical and spectroscopic properties of pendant hydroquinone- and quinone-substituted polypyridyl ruthenium(II) complexes, 3
orthogonal $Ru^{II}(bpy)_3$ complexes in *meso*-substituted porphyrins, 93
synthesis and characterization of ruthenium(II) complexes containing the new tridentate ligand 4,4′,4″-tri-tert-butyl-terpyridine, 103
medium effects on the redox properties of tris(2,2′-bipyridyl)ruthenium complexes, 141
the reaction of $CpRu(PPh_3)_2^+$ with organic thiols. Synthesis and characterization of $[CpRu(PPh_3)_2(RSH)]BF_4$ (R = benzyl, phenethyl) and the molecular and crystal structure of $[CpRu(PPh_3)_2(C_6H_5CH_2CH_2SH)]BF_4 \cdot CH_2Cl_2$, 195

Silyl complexes
photochemical reactions of $(\eta^5\text{-}C_5H_5)Fe(CO)_2SiMe_2R$ (R = Me, Ph) with ArCHO (Ar = C_6H_5, $p\text{-}OCH_3C_6H_4$), 139
Solubility products
behaviour of U(VI) solids under conditions of natural aquatic systems, 79
Sulfido complexes
mononuclear mixed oxosulfidomolybdate(VI) complexes with aminodicarboxylic ligands. Synthesis and spectroscopic characterization by multinulcear magnetic resonance spectroscopy, 73
Sulfur complexes
spectral evidence for stepwise ligand substitution on 4Fe4S clusters, 1
synthesis and characterization of Fe_4S_4 clusters with a crown ether skeleton, 147
Sulfur ligand complexes
electrical, magnetic and spectroscopic properties of $(TTF)_5Fe(NO_3)_3$, 261

Tantalum complexes
the electronic spectrum of $NiTa_2O_6$, 159
Technetium complexes
a spectrophotometric and ESR study of monomer, μ-oxo dimer, di(μ-oxo) dimer interconversion of nitridotechnetium(VI) complexes in solutions of sulfur and phosphorus oxo acids, 199
Tellurium complexes
reactions of *trans*-2-alkoxy-1-cycloalkyltellurium(IV) trihalides with N-substituted anilines: the X-ray crystal structure of *p*-*N*-ethylanilino(*trans*-2-ethoxy-1-cyclohexyl)-tellurium(IV) dibromide, 27
Tetrahydrofurane complexes
tetrahydrofuran adducts of uranium tetrachloride, 251
Thermodynamics
thermodynamic study of the interaction of long open-chain polyazaalkanes with cobalt(II) and nickel(II) ions, 221
Thiol complexes
the reaction of $CpRu(PPh_3)_2^+$ with organic thiols. Synthesis and characterization of $[CpRu(PPh_3)_2(RSH)]BF_4$ (R = benzyl, phenethyl) and the molecular and crystal structure of $[CpRu(PPh_3)_2(C_6H_5CH_2CH_2SH)]BF_4 \cdot CH_2Cl_2$, 195
Tungsten complexes
seven-coordinate complexes of molybdenum(II) and tungsten(II) containing imidazole and methyl-substituted imidazoles as attached ligands, 247

Uranium complexes
behaviour of U(VI) solids under conditions of natural aquatic systems, 79
tetrahydrofuran adducts of uranium tetrachloride, 251

Zinc complexes
thermodynamic study of the interaction of long open-chain polyazaalkanes with cobalt(II) and nickel(II) ions, 221
crystal and molecular structures of Cu(II) and Zn(II) complexes of 2,3,5,6-tetra(2-pyridyl)pyrazine (TPPZ): an old ligand revisited, 239